of the pixel string temporarily determined in the first determination step consecutively by a third number, and a program code of a third determination step of determining whether or not a chromatic color is included in the image data, based on a result of determination in the first determination step and a result of determination in the second determination step.

[0016] The present invention relates to an image processing apparatus having new functions and a method for controlling the image processing apparatus.

[0017] The foregoing and other objects, advantages and features of the present invention will become more apparent from the following detailed description of the preferred embodiment taken in conjunction with the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIGS. 1A and 1B are diagrams

[0018] ~~FIG. 1 is a~~ block ~~diagram~~ illustrating an example of the configuration of an image processing apparatus according to an embodiment of the present invention;

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[0019] FIGS. 2A and 2B are diagrams illustrating spatial-filter coefficients stored in a spatial-filter-coefficient storage unit shown in FIG. 1;

[0020] FIG. 3 is a flowchart illustrating processing of generating an edge-emphasis correction amount for a lightness signal performed by an edge-emphasis-amount distribution unit shown in FIG. 1;

[0021] FIG. 4 is a graph illustrating an amount of correction of edge emphasis, based on the processing shown in FIG. 3;

[0022] FIG. 5 is a flowchart illustrating processing of generating an